



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090886

Mode: Highway

Status: Submitted

(Western Boulevard)

From/Cross Street: SR 1308 (Gum Branch Road)

Specific Improvement Type: 7 - Upgrade At-grade Intersection to Interchange or Grade Separation

To:

Project Category: Division Needs

Length: 2

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$12,450,000

Description:

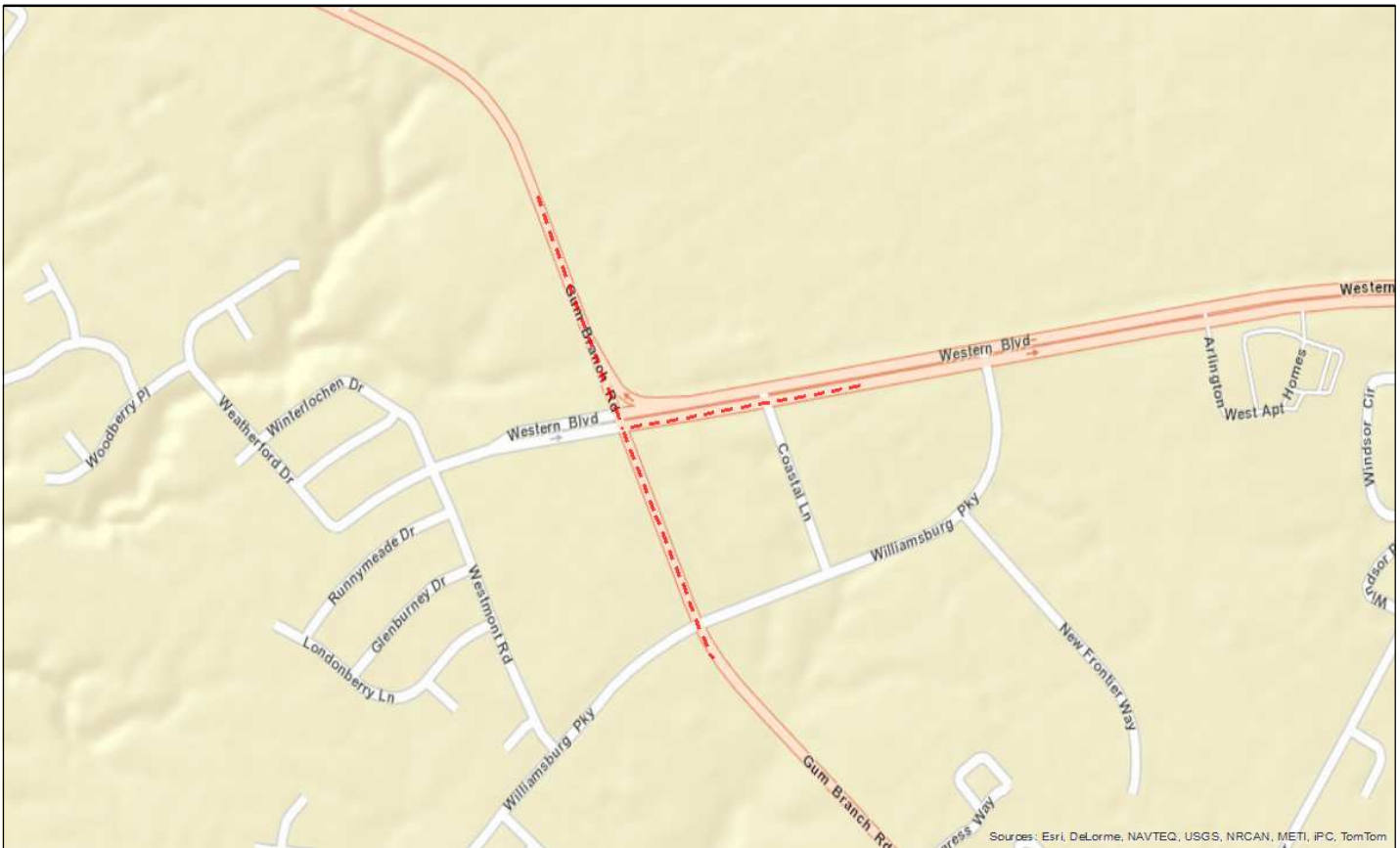
Construct Grade Separated interchange at the intersection of Western Boulevard & Gum Branch Road. This Project Was Formerly a Part of U-5106. U-5106 Has Been Divided into Three Phases (A-C).

Division(s): Division 3

County(s): ONSLOW

MPOS(s)/RPO(s): Jacksonville Urban MPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	Percent: 15% Points:	Percent: 15% Points:

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 61.04 Safety (20%) 83.35 Multimodal + [Freight & Military] (10%) 3.65	Percent: 25% Points:	Percent: 25% Points:
Totals: Weight: 50% Weighted Score: 29.24		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	2
Facility Type:	Arterial
Access Control:	Limited
Functional Classification:	Minor Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	2
Roadway has Curb & Gutter?	No
Volume (AADT):	45333.12
Capacity:	63400
Volume/Capacity Ratio:	0.72
% Autos:	98%
% Trucks:	2%
Truck Volume:	730.37
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	100
Severity Index:	66.7
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	24
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	96
Actual Congested Speed:	38.72
Travel Time Index:	1.16

Project Benefits

Project Cross-Section:	
Speed Limit:	55
Length (miles):	2
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Minor Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	1363000
Travel Time Savings for 30 Years (Autos):	1341040.56
Travel Time Savings for 30 Years (Trucks):	21959.44
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 3

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 3	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Jacksonville Urban MPO	100%	0	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	0

Project Cost and Source

Construction Cost:	\$10,260,000	TIP Unit
Right-of-Way Cost:	\$2,190,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$12,450,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$12,450,000	